



Audiobahn®

ATB10AJ / ATB12AJ
OWNER'S MANUAL



PLEASE READ THIS MANUAL
BEFORE OPERATING THIS UNIT.
RETAIN FOR FUTURE REFERENCE.

The Audiobahn Way

To bring the product to market that excites the consumer through sound and vision from an orientation of integrity and customer service. We make you look as good as you sound. We strive to take car audio to an extreme the world has never seen, and a world that never stops evolving.

Audiobahn was established in 1997 with one long-term goal in mind, "Build it Bigger, Badder, & Better, and the people will take notice!" We back this statement with an engineering team that has brought home several Innovations, Design & Engineering Showcase Awards, and a marketing team from around the world that spends countless hours developing our no compromise products to satisfy the most discriminating enthusiasts.

Our global manufacturing facilities feature ISO9002 ratings (the highest level of quality control awarded in the electronics manufacturing industry), fully robotic assembly lines and a state of the art, California based R & D laboratory.

Our Technical Department and entire staff look to strive above and beyond the rest of the pack by going that extra mile to help you out. Whether you happen to be a veteran competitor, or a beginner car audio enthusiast who does not know a voice coil from a spider. We are all her to help you get the best system you can with what you have.

Judge for yourself, and remember what it's all about, "If it's not Bigger, Badder & Better, it's not Audiobahn." If audio is your life, Audiobahn is the brand for you! We make you look as good as you sound. People never stop trying to get the best product, so we will never stop making it.

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Getting Started

Welcome to Audiobahn Inc.. This manual has been designed to provide information for the owner, salesperson, and installer. For those of you who want quick information on how to install this product, please turn to the installation section of this manual. Other information can be located by using the table of contents. We at Audiobahn have worked very hard to make sure that all of the information in this manual is current, but, as we are constantly finding new ways to improve our product, this information is subject to change without notice. All updated information can be found on our web page in the technical support section.

Dear Customer,

Congratulations on your purchase of the worlds finest brand of car audio products. Here at Audiobahn Inc. we are devoted to making our musical reproduction the vert best, and we are pleased you have chosen our product. Through years of engineering expertise, hand craftsmanship, and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your Audiobahn product installed by an Authorized Audiobahn Dealer, as we provide specialized training through our Audiobahn Installer Training Programs. Please read your warranty, keep your receipt, and original carton for possible future use.

To get a free brochure on Audiobahn products in the US call (714) 452-1476 or e-mail us at sales@audiobahn.com.

WARNING

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense.

If after reading this manual you still have questions regarding your product, we recommend that you see your nearest Audiobahn Dealer. A list of Authorized Audiobahn Dealers can be found on our web page. If you need further assistance, feel free to call us at (714) 452-1476 and ask for the Technical Department. Be sure to have the model number, date of purchase, and invoice number available when you call.

The model number can be located on the outside of the carton. Record this in the space provided below along with the date of purchase. It is a good idea to keep your receipt with this as you will need it in the case of needing a warranty, repair service or exchange.

Date of Purchase: _____ Model Number: _____

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| <ul style="list-style-type: none">• Amplified Subwoofer with Flame Grill Installation & Operation Manual• Warranty Card• Power Cable with Fuse and Ring Terminal• Ground Wire with Ring Terminal• Heat Shrink and Zip Ties | <ul style="list-style-type: none">• 18 Gauge Remote Turn on Wire• Bass Knob with Cord• 1 Fuse• High Level Input Harness• Sticker• Dog Tag |
|--|--|
-
1. Make sure to carefully read and understand the instructions before attempting to install your new Audiobahn tube.
 2. Before making any electrical connection, make sure that you disconnect the battery's ground cable to prevent the possibility of short circuit or damage to your electronic equipment.
 3. For easier assembly, we suggest you run all wires prior to mounting your amplified tube.
 4. Route all of the RCA cables close together, and away from any power wires.
 5. Use high quality connectors that can be found in the Audiobahn Connections catalog. This will minimize signal and power loss.
 6. Think before you drill! Be careful not to cut or drill into gas tank, fuel lines, brake or hydraulic lines, vacuum lines, or electrical wiring when working on any vehicle.
 7. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.
 8. ALWAYS protect the battery and electrical system from damage with proper fusing.
 9. When grounding to the chassis of the vehicle, scrape all paint from the metal to ensure a good clean ground connection. Grounding connections should be as short as possible, and always be connected to metal that is welded to the main body or chassis of the vehicle.

The mounting position of your amplified tube will have a great effect on the sound performance produced.

TRUNK MOUNTING

Mounting the tube in the trunk provides a good overall performance.

PASSENGER COMPARTMENT MOUNTING

Mounting the tube in the passenger compartment provides optimum sound, but reduces the area for passenger seating.

LOADING

Facing the tube towards a wall will increase the low frequency sounds.

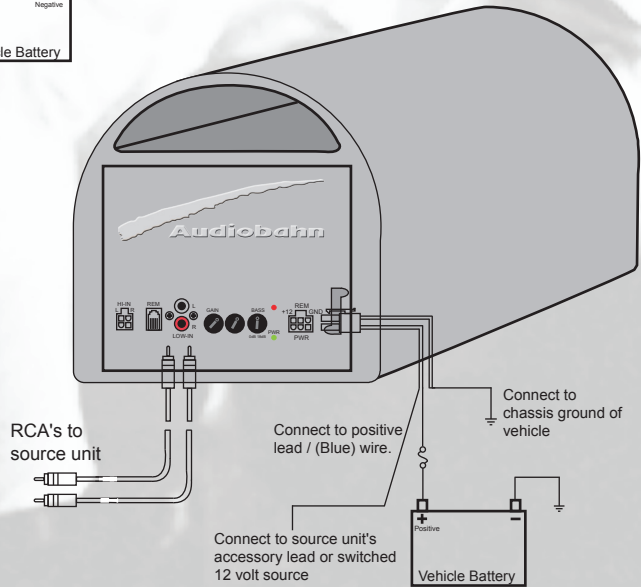
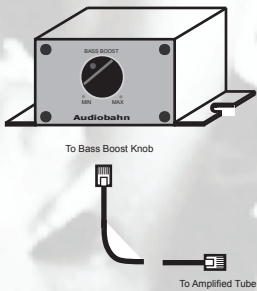
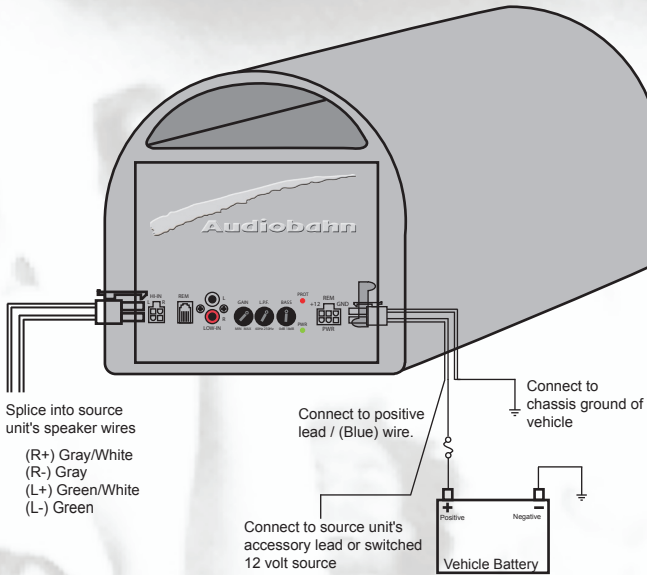
Use one of the two following signal connections

RCA Cable Connection

1. Connect the RCA cable into the correct output terminals on the back of the source or Hi/Lo level converter.
2. Connect the RCA cable into their perspective plugs on the amplified tube.

High Level Input Connections

1. Using the cord provided with the kit, splice directly into the source unit's speaker outputs. Do not break the connection with the source unit and the speakers. Be sure to maintain proper speaker polarity.



REMOTE BASS BOOST KNOB

Mounting and Installation

1. Using the screws provided with the kit, find a location under the dash, center console, or a place that gives easy access to the remote bass boost knob.
2. Plug in the supplied cord into the back of the bass boost knob.

Adjusting the Gain

To adjust the gain setting, first turn the amplifier gain all the way down. Then turn the source volume up until distortion is audible, and then turn it down until distortion is inaudible. Next, turn the amplifier gain setting until once again distortion is audible, and then back it down until distortion is inaudible.

Adjusting the Crossover

Turn the crossover adjustment all the way down to 40Hz. Then slowly turn the knob up until desired sound is achieved. Normal listening level should be right around 100Hz to 150Hz. Use common sense when adjusting your crossover.



Model Number	ATB10AJ	ATB12AJ
Power RMS	100 Watts	120 Watts
Frequency Response:	30Hz-250Hz	0Hz-250Hz

Overall Dimensions:

Height:	11 3/8"	13 1/2"
Width:	11 1/2"	13 3/8"
Length:	21 1/8"	22 5/8"
Weight	25lbs.	30lbs.

SYMPTOMS	CHECK POINTS	CURE
NO SOUND	Is the power LED illuminated ? (NO)	Check fuses in amplifier. Be sure Turn-on lead is connected Check signal leads. Check gain control. Check Tuner/Deck volume level. Clean contacts on fuse holders.
	Is the Diagnostic LED illuminated ? (YES)	Check for speaker short or Amplifier overheating.
AMP NOT SWITCHING ON	No power to power wire	Repair power wire or connections.
	No power to remote wire with receiver on	Check connections to radio.
	Fuse broken	Replace fuse.
NO SOUND IN ONE CHANNEL	Check Speaker Leads	Inspect for short circuit or an open connection.
	Check Audio Leads	Reverse Left and Right RCA inputs to determine if it is occurring before the amp.
AMP TURNING OFF MEDIUM/HIGH VOLUME	Check speaker load impedance	Be sure proper speaker load impedance recommendations are observed. (If you use an ohmmeter to check speaker resistance, please remember that DC resistance and AC impedance may not be the same.)
STATUS LAMP ON	Temperature shut down	Turn radio down
	Speaker wires short	Separate speaker wires and insulate

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Take care when you work near gas tanks, gas lines, hydraulic lines, and electrical wiring. Do not use the power amplifier unmounted. Attach the system securely to the automobile to prevent damage, particularly in the event of an accident. Do not mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

The +12V DC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the +12V wire at the battery end. Confirm your radio/head unit and/or other equipment is turned off while connecting the input jacks and speaker terminals. If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of a different type or rating may result in damage to this system which is not covered by the warranty.

Disclaimer

Specifications are subject to change without notice.
For the most updated Specifications call Audiobahn,
your local Authorized Audiobahn Dealer,
or check the Audiobahn web site.
www.audiobahn.com

Audiobahn Consumer Product Warranty Policy

Audiobahn products are manufactured with the highest quality components and some of the most advanced technology available. Because of this we recommend that you have your new products installed by an **Authorized Audiobahn Dealer**. (A list of Authorized Audiobahn Dealers can be found on our web page).

Warranty Period: One year from the original date of purchase.

Warranty Coverage: This warranty covers manufacturer defects only. The warranty is applicable to the original purchaser, and is non-transferable. You must provide a receipt from an **Authorized Audiobahn Dealer** that shows the location of purchase, price paid, and date of purchase.

(Products purchased by consumers from an **Authorized Audiobahn Dealer** outside the United States are covered only by the Distributor of that specific country and are not covered by **Audiobahn**).

NOTES:

Complete subwoofer enclosures (**Audiobahn** will replace defective subwoofers, plexiglass, or neon only. Do not send the entire enclosure, unless the enclosure is defective itself. You must receive prior authorization and an RA# before sending in any complete enclosure).

AUDIOBAHN DOES NOT WARRANTY ANY PRODUCTS NOT PURCHASED THROUGH AN AUTHORIZED DEALER.

(A list of Authorized Audiobahn Dealers can be found on our web page).

AUDIOBAHN WARRANTIES DO NOT COVER THE FOLLOWING:

- Any product not purchased from an **Authorized Audiobahn Dealer** (including Internet dealers)
- Damage caused by abuse, misuse, accident, water / flood, or theft (including any cosmetic damage to the body of the product)
- Damage caused by improper installation
- Any cost or expense related to removal or reinstallation
- Any unauthorized services
- Any product that has the serial number removed, altered, or defaced
- Subsequent damage to any other components
- Pinched, cut, or stripped wires / terminals
- Any product that is new, and/or found to be in working condition
- L.E.D. indicators on electronics (**Audiobahn** will only replace L.E.D.(s) found to be defective at the time of purchase)

How to receive warranty service: Contact your local **Authorized Audiobahn Dealer**, or call **Audiobahn** at **(714) 452.1476** between the hours of 9:00AM and 5:00PM PST.

If you are having problems with your system, we recommend you check the product carefully and thoroughly to confirm that the product truly has a manufacturer defect; as opposed to abuse, or other components in the system caused the failure. This might include having an **Authorized Audiobahn Dealer** look at the product to confirm the source of the problem. Any product found to have a manufacturer defect will be replaced with a new piece of the same or similar model, or repaired at the discretion of **Audiobahn**. Any product found to have no manufacturer defect will be returned to the sender at their cost.

You must acquire a Return Authorization Number (#) prior to returning ANY product to Audiobahn.

That Return Authorization Number (RA#) must be prominently and clearly marked on the outside of the shipping carton, or product delivery will be refused (no exceptions will be made).

Please note: All shipping and handling (to and from) charges will be the sole responsibility of the consumer.

Please record and keep your Return Authorization Number (RA#) in the event that further communication is required.

Return Authorization Number (RA#):

Date product was sent:

Contact Information

Audiobahn Headquarters
7050 Village Drive Bldg. G
Buena Park, CA 90621

Phone (714) 452.1476 Fax (888) 880.8469

Pacific Coast Time: 9am - 5pm Mon. - Fri.

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